

## Application or Docket Number:

Substitute for Form PTO-875

Application or Docket Number  
10/064-3710

(Column 1)	(Column 2)
1	2
3	4
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79	80
81	82
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## SMALL ENTITY

of

OTHER THAN  
SMALL ENTITY

FOR		NUMBER FILED	NUMBER EXTRA	RATE	FEE	OR	RATE	FEE
BASIC FEE (37 CFR 1.10(a))					\$ _____	OR		\$ _____
TOTAL CLAIMS (37 CFR 1.10(c))		minus 20 *	*	x \$ _____ *		OR	x \$ _____ *	
INDEPENDENT CLAIMS (37 CFR 1.10(b))		minus 3 *	*	x \$ _____ *		OR	x \$ _____ *	
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(d))				+ \$ _____ *		OR	+ \$ _____ *	
TOTAL						OR	TOTAL	

\* If the difference in column 1 is less than zero, enter "0" in column 2

(Column 1)	(Column 2)	(Column 3)
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3		

## SMALL ENTITY

( )

OTHER THAN  
SMALL ENTITY

AMENDMENT A	3/7/05	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	SMALL ENTITY	
	Total (37 CFR 1.160)	17	Minus	20	/	RATE	ADDITIONAL FEE
	Independent (37 CFR 1.160)	3	Minus	3		RATE	ADDITIONAL FEE
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.160)						
				TOTAL ADD'L FEE		TOTAL ADD'L FEE	

## AMENDMENT B

(Column 1)		(Column 2)		(Column 3)
	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total DEPENDENT	"	Minus	"	"
Independent DEPENDENT	"	Minus	"	"
TOTAL INDEPENDENT PLUS ONE MULTIPLE DEPENDENT CLASS (IF CLASSIFIED)				

RATE	ADDITIONAL FEE
\$ _____	
\$ _____	
\$ _____	
\$ _____	
TOTAL	
ADDITIONAL FEE	

RATE	ADDITIONAL FEE
\$ _____	
\$ _____	
\$ _____	
\$ _____	
TOTAL	
ADDITIONAL FEE	

## AMENDMENT C

(Column 1)		(Column 2)		(Column 3)
CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	FEE SENT LAST TIME	
		Times	***	
		Times	***	
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (3) (CER 1610)				

RATE	ADDITIONAL FEE
\$ _____	
\$ _____	
\$ _____	
TOTAL ADDITIONAL FEE	

RATE	ADDITIONAL FEE
\$ _____	
\$ _____	
\$ _____	
TOTAL ADDITIONAL FEE	

\* If I do this, will I really have the only experience? (note that, perhaps)

<sup>11</sup> If  $P$  is a topological ring and  $\alpha$  is a finitely  $P$ -flat  $R$ - $R$ -BIF,  $\text{SPAC}(P)$  is less than  $20$  unless  $20$ .

[illegible]

The  $\chi^2$  test of independence,  $\chi^2$  test of homogeneity is the highest number found in the appropriate box in column 1.

Example 1. Let  $\mathcal{C} = \mathcal{C}_1 \cup \mathcal{C}_2$  with  $\mathcal{C}_1 = \{U, U+1, U+2, U+3, U+4, U+5, U+6, U+7, U+8, U+9, U+10, U+11, U+12, U+13, U+14, U+15, U+16, U+17, U+18, U+19, U+20, U+21, U+22, U+23, U+24, U+25, U+26, U+27, U+28, U+29, U+30, U+31, U+32, U+33, U+34, U+35, U+36, U+37, U+38, U+39, U+40, U+41, U+42, U+43, U+44, U+45, U+46, U+47, U+48, U+49, U+50, U+51, U+52, U+53, U+54, U+55, U+56, U+57, U+58, U+59, U+60, U+61, U+62, U+63, U+64, U+65, U+66, U+67, U+68, U+69, U+70, U+71, U+72, U+73, U+74, U+75, U+76, U+77, U+78, U+79, U+80, U+81, U+82, U+83, U+84, U+85, U+86, U+87, U+88, U+89, U+90, U+91, U+92, U+93, U+94, U+95, U+96, U+97, U+98, U+99, U+100\}$  and  $\mathcal{C}_2 = \{U+101, U+102, U+103, U+104, U+105, U+106, U+107, U+108, U+109, U+110, U+111, U+112, U+113, U+114, U+115, U+116, U+117, U+118, U+119, U+120, U+121, U+122, U+123, U+124, U+125, U+126, U+127, U+128, U+129, U+130, U+131, U+132, U+133, U+134, U+135, U+136, U+137, U+138, U+139, U+140, U+141, U+142, U+143, U+144, U+145, U+146, U+147, U+148, U+149, U+150, U+151, U+152, U+153, U+154, U+155, U+156, U+157, U+158, U+159, U+160, U+161, U+162, U+163, U+164, U+165, U+166, U+167, U+168, U+169, U+170, U+171, U+172, U+173, U+174, U+175, U+176, U+177, U+178, U+179, U+180, U+181, U+182, U+183, U+184, U+185, U+186, U+187, U+188, U+189, U+190, U+191, U+192, U+193, U+194, U+195, U+196, U+197, U+198, U+199, U+200\}$ . The algorithm in [1] would obtain a heuristic for the problem which is far from good by the DPA. In fact, the heuristic would be  $U+100$  and the optimal solution is  $U+101$ . This also holds for the problem  $\mathcal{C}_1 \cup \mathcal{C}_2$  with  $\mathcal{C}_1 = \{U, U+1, U+2, U+3, U+4, U+5, U+6, U+7, U+8, U+9, U+10, U+11, U+12, U+13, U+14, U+15, U+16, U+17, U+18, U+19, U+20, U+21, U+22, U+23, U+24, U+25, U+26, U+27, U+28, U+29, U+30, U+31, U+32, U+33, U+34, U+35, U+36, U+37, U+38, U+39, U+40, U+41, U+42, U+43, U+44, U+45, U+46, U+47, U+48, U+49, U+50, U+51, U+52, U+53, U+54, U+55, U+56, U+57, U+58, U+59, U+60, U+61, U+62, U+63, U+64, U+65, U+66, U+67, U+68, U+69, U+70, U+71, U+72, U+73, U+74, U+75, U+76, U+77, U+78, U+79, U+80, U+81, U+82, U+83, U+84, U+85, U+86, U+87, U+88, U+89, U+90, U+91, U+92, U+93, U+94, U+95, U+96, U+97, U+98, U+99, U+100\}$  and  $\mathcal{C}_2 = \{U+101, U+102, U+103, U+104, U+105, U+106, U+107, U+108, U+109, U+110, U+111, U+112, U+113, U+114, U+115, U+116, U+117, U+118, U+119, U+120, U+121, U+122, U+123, U+124, U+125, U+126, U+127, U+128, U+129, U+130, U+131, U+132, U+133, U+134, U+135, U+136, U+137, U+138, U+139, U+140, U+141, U+142, U+143, U+144, U+145, U+146, U+147, U+148, U+149, U+150, U+151, U+152, U+153, U+154, U+155, U+156, U+157, U+158, U+159, U+160, U+161, U+162, U+163, U+164, U+165, U+166, U+167, U+168, U+169, U+170, U+171, U+172, U+173, U+174, U+175, U+176, U+177, U+178, U+179, U+180, U+181, U+182, U+183, U+184, U+185, U+186, U+187, U+188, U+189, U+190, U+191, U+192, U+193, U+194, U+195, U+196, U+197, U+198, U+199, U+200\}$ .

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1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

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